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TITLE : POWDER COATING COMPOSITION FOR RUGGED PATTERN FINISHING

ABSTRACT : PURPOSE: To produce the titled composition having excellent coating film properties and giving a dense and uniform coating film, by kneading a mixture containing a thermosetting resin and a thermoplastic cellulose ether resin as main components under a condition to melt only the former component, and cooling and finely pulverizing the mixture.

CONSTITUTION: (A) 100pts.wt. of a thermosetting resin which is solid or powdery at normal temperature (e.g. epoxy resin) and (B) 0.01-0.7pt. of a thermoplastic cellulose ether resin (e.g. ethyl cellulose) are used as main components, and optionally compounded with a pigment, etc., and kneaded with an extruder. The kneading is carried out at a temperature above the melting point of the component A and below that of the component B (60-130°C). The kneaded mixture is cooled on a steel conveyor, roughly crushed, and finely pulverized to obtain the objective composition.

USE: Metal coating, etc. of appliance, building material, etc.

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